



CALL  
FOR  
PAPERS

OCTOBER

27<sup>th</sup>-28<sup>th</sup>

2025

Mascara

Algeria

ICAITA25

Hybrid(Virtual and in person)

2<sup>ND</sup> INTERNATIONAL CONFERENCE ON ARTIFICIAL  
INTELLIGENCE: THEORIES AND APPLICATIONS

The International Conference on Artificial Intelligence: Theories and Applications (ICAITA25) is a platform for showcasing the latest developments and research findings in the field of Artificial Intelligence. This conference will gather top researchers and scientists from around the globe to discuss the theoretical and practical aspects of AI. Researchers are encouraged to submit papers that highlight their research, projects, or surveys on topics such as (but not limited to) The conference will be held during the period October 27-28<sup>th</sup>, 2025 in Mascara, Algeria. Researchers are cordially invited to submit their original contributions through 6-page research papers. Accepted papers will be submitted for inclusion into Springer CCIS. Selected papers will be published in AI journals. We are looking forward to welcoming you in Mascara, Mascara, to share thoughts and establish new relationships and collaborations.

## SCOPE AND TOPICS

### PAPERS SUBMISSION

ACCEPTED PAPERS WILL BE SUBMITTED  
FOR INCLUSION INTO SPRINGER CCIS  
AND SELECTED PAPERS WILL BE  
PUBLISHED IN AI JOURNALS  
ALL PAPERS MUST BE WRITTEN IN  
ENGLISH AND WILL BE PEER  
REVIEWED

### IMPORTANT DATES AND DEADLINES

Submission site opening:  
January 01<sup>st</sup>, 2025

Papers submission deadline:  
April 15<sup>th</sup>, 2025

Acceptance notification:  
July 01<sup>st</sup>, 2025

Camera Ready paper and  
registration deadline:

September 15<sup>th</sup>, 2025

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#### ARTIFICIAL VISION AND COMPUTER PERCEPTION

It involves a range of techniques and algorithms that enables computers to interpret and understand visual information from the real world

- Computer vision
- Image and video processing
- Object detection and recognition
- 3D computer vision
- Medical image analysis and Remote sensing

TOPIC 1

#### APPLICATIONS ACROSS DOMAINS

- AI in healthcare:** Virtual Health Assistants, Medical Image Analysis, Drug Discovery and Development, Disease Diagnosis.....
- AI in education:** Personalized Learning, Intelligent Tutoring Systems, Intelligent Content Creation, Data-Driven Insights
- AI in finance:** Fraud Detection, Credit Scoring, Risk Management, Financial Forecasting
- AI in agriculture:** Crop yield prediction, Precision agriculture, Pest and disease detection, Soil health monitoring
- AI in transportation:** Self-driving cars, Traffic management systems, Accident prevention systems, Drone delivery and transportation
- AI in robotics:** Industrial automation, Humanoid robots, Search and rescue robots, Game AI, Supply chain optimization, Intelligent control

TOPIC 2

#### FOUNDATIONAL THEORIES AND ALGORITHMS IN AI

This area encompasses the core principles and techniques that underpin AI. It includes:

- Machine learning and Deep learning
- Reinforcement learning
- Explainable AI
- Knowledge representation and reasoning
- Uncertainty modeling and Optimization Algorithms

TOPIC 3

#### NATURAL LANGUAGE PROCESSING

It focuses on the interaction between computers and human language including NLP tasks:

- Text mining and information extraction
- Sentiment analysis and opinion mining
- Machine translation
- Text summarization
- Dialogue systems and Text generation

TOPIC 4

#### GENERATIVE AI AND LARGE LANGUAGE MODELS

It focuses on creating new content, such as text, images, or music.

- Generative adversarial networks (GANs)
- Transformers and Large language models (LLMs)
- Text-to-image generation
- Text-to-speech generation
- AI art and creativity

TOPIC 5

website : <https://www.univ-mascara.dz/icaita25/> - email : [icaita@univ-mascara.dz](mailto:icaita@univ-mascara.dz) :

